

Meeting Date: 26 October 2023

PURPOSE AND SCOPE OF NEXT
MEETING'S SUBSTANTIVE PAPERS

SECURITY
AND
RELIABILITY
COUNCIL

Note: This paper has been prepared for the purpose of the Security and Reliability Council. Content should not be interpreted as representing the views or policy of the Electricity Authority.

1 Purpose and scope of next meeting's substantive papers

1.1 This is the SRC's opportunity to provide verbal guidance for next meeting's substantive papers

- 1.1.1 The purpose of this paper is to allow the SRC to provide expectations for the following meeting's substantive papers and improve the efficiency and effectiveness of the secretariat's preparation. If there is any particular context or SRC concerns/questions, these would be valuable to share with the secretariat.
- 1.1.2 The secretariat's suggestions for the SRC's Q1 2024 meeting, incorporating previous member input from previous discussions, are set out below for consideration and refinement at this meeting.

1.2 Future power system architecture

- 1.2.1 To reflect on general assumptions held in the sector which may no longer be relevant and how any changes will assist or impact security and reliability
- 1.2.2 Artificial Intelligence – the risks and benefits to future power system operation
- 1.2.3 Public safety supply disruption – management of the power system in fire events
- 1.2.4 Islanding networks – the extent to which EVs and V2G power flows can support resilience in contingent events
- 1.2.5 Lessons from Australia – AEMO, AER, case studies
- 1.2.6 Inertia markets – the experience overseas; the New Zealand context and how they may support greater system stability
- 1.2.7 DC links to international systems and markets – how New Zealand could benefit

1.3 System operator's support of industry evolution

- 1.3.1 In addition to *technology and information security*, the SRC has chosen a theme of *system operator support of industry evolution*, for the October meeting. The secretariat understands the purpose of this is to enable deeper consideration of issues such as:
 - a) How the system operator is planning to meet sector and consumer needs through the transition,
 - b) How the system operator's processes are evolving to meet the needs of a more decentralised power system, with greater direct consumer input,
 - c) How the system operator is engaging across the sector to ensure it has the information it needs to manage the system in real time, and plan forward,
 - d) How the system operator is using and sharing information to support industry's understanding of security and reliability risks,
- 1.3.2 This item was initially proposed for the October meeting. It is being postponed to the next SRC meeting to better align with the proposed theme. The secretariat will

circulate the paper and can capture further member views and pass these on to the system operator, as appropriate.

2 Questions for the SRC to consider

2.1.1 The SRC may wish to consider the following questions:

- Q1.** Does the SRC have any other suggested topics/papers for the Q1 2024 meeting, aligned with, or as a counterpoint to, the future power system architecture or *system operator support of industry evolution* themes?
- Q2.** Does the SRC have further guidance for the secretariat about how it would like to receive information about the themes for upcoming meetings?
- Q3.** What other presenters, if any, would the SRC like to hear from at the Q1 meeting?